**Natasha Bloom**

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**Certification:** Earth and Space Science, Grades 7-12 (Pennsylvania)

GLOBE Teacher

Lunar/Meteorite Certification

**Education: Yale University**, New Haven, CT Bachelor of Arts received May 2000

*Major:*  Geology and Geophysics (with a concentration in Earth’s environment and natural resources) *Awards:* 2000 Saybrook College Master’s Prize

John S. Morrison Scholarship for academic achievement

Robert E. Lewis award for outstanding performance in intercollegiate athletics

**Shippensburg University**, Shippensburg, PA Master of Education received Dec. 2012

*Concentration*: Curriculum and Instruction, Secondary Earth science

*Awards*: Honor Society of Phi Kappa Phi

Gamma Theta Upsilon Honor Society

**Teaching Waynesboro Area Senior High School,** Waynesboro, PA July 2007-Present

**Experience:** *Earth**Science Teacher:* Planned, developed and implemented curriculum for 9th grade students. Integrated technology, labs, societally-relevant projects and more traditional instructional methods to effectively instruct and evaluate learning while maintaining discipline. Attended all required meetings,

prepared students evaluations, created and maintained a teacher web page and completed the PA

induction program.

**RHAM High School,** Hebron, CT Feb. 2002-Aug. 2007

*Earth**Science Teacher:* Planned, developed and implemented curriculum for mainly 9th grade students. Integrated technology and labs, along with more traditional instructional methods to effectively instruct and evaluate learning while maintaining discipline. Served on committees (NEASC visitation in spring of 2005), prepared student evaluations, attended various subject area- related workshops, and coached varsity softball.

**Lewis Fox Middle School,** Hartford, CT Sept. 2001-Feb. 2002

*Science Teacher:* Planned, developed and implemented curriculum for 7th and 8th grade students. Effectively organized time, space, and resources to balance heavy workloads and deadlines. Led field trips, served on committees, prepared student evaluations, attended various subject area-related workshops, and coached girls’ basketball.

**Teacher/Naturalist,** New Canaan, CT June 2000-May 2001

*Teacher/Naturalist:* Prepared and taught science and nature-based educational programs to children in pre-K through 6th grade. Collaborated with colleagues to create innovative ways to disseminate subject material. Implemented a system for the care and maintenance of captive, non-releasable animals.

**Field/Related Girl Scouts in the Heart of PA,** Harrisburg, PA Sept. 1998-Present

**Experience:** *Co-Assistant Director, Program Director, Service Unit 431 Day Camp:* Developed thematic program

activities for a 4-day summer camp for girls ages 5-18. Trained staff, devised nature crafts and facilitated adherence to daily schedule. Implemented First Aid and ensured safety of girls and adults

on site.

**Yellowstone Association Institute**, Yellowstone National Park, WY Aug. 2013

Earned a scholarship to participate in field research about the geologic evolution of the Yellowstone

caldera and its associated hydrothermal systems. Worked closely with a research geologist and a small cohort to study the geologic history of Yellowstone National Park.

**Global Learning and Observations to Benefit the Environment**, Boulder, CO Nov. 2009

*GLOBE Teacher*: Trained with other teachers to become a teacher in The GLOBE Program.

Carried out measurement protocols in the areas of Atmosphere/Climate, Phenology, and Soils.

Utilized such training to engage students in hand-on science and data collection.

**Science Center for Teaching, Outreach, and Meteorology**, Cedar Falls, IA June 2009

*Studies in Air Quality for Science Educators (SAQSE) Participant*: One of 24 educators across the

United States chosen to participate in the STORM Project at the University of Northern Iowa.

Forecast air quality using various conceptual models and computer-based tools. Collaborated with

cohort to develop units/activities to be made available as a resource for middle and high school

classrooms across the nation.

**NASA**, Greenbelt, MD April 2009

Trained with other educators to become certified to receive on loan and handle lunar/meteorite samples.

Collaborated with educators about strategies for teaching difficult concepts like lunar phases and

eclipses.

**History of Winter (NASA),** Lake Placid, NY Feb. 2009

One of 10 educators from across the country chosen to participate in research about the cryosphere. Implemented various protocols and used tools to take measurements of snow and ice. Utilized technology to analyze snow and ice to better understand snow and ice processes and the consequences of weather and climate at the micro and mesoscale. Collaborated with colleagues to design projects/activities to engage students in research about said topics.

**The Writing Company,** Watertown, MA June 2004-Oct. 2004

*Educational Consultant:* Worked closely with a diverse panel of educators to critique and design middle school science curriculum supplement (called **eesmarts**) on energy conservation. This was sponsored by The United Illuminating Company and CL&P.

**Ammonite Resources,** New Canaan, CT Oct. 2000-January 2001

*Research Assistant:*Researched the history and commercial aspects of natural gas hydrates. Compiled and condensed such information. Collaborated with colleagues to produce a written report.

**Publication: Gas Hydrates: An Energy Bonanza or a Distant Mirage?** G. Warfield Hobbs, Dr. Naresh Kumar

and Natasha Bloom.

**Computer** Macintosh operating systems, Windows, Microsoft Office, SmartBoard, PowerSchool, Sapphire

**Skills:**  Student System, Google Apps for Education